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ABSTRACT

This report examines the scholastic achievement of 132 students who transferred from Long Beach City College (LBCC) to the University of California (UC) for the 1972-73 school year. Pindings show that LBCC transfers to all branches of the university compare favorably with all community college transfers at UC. Statistics also reveal steady improvement in scholastic achievement by LBCC transfers over the past several years with regard to: GPA earned at LBCC prior to enrollment at UC (3.17 vs. 2.85), GPA earned at the university (2.93 vs. 2.46), and an increased percentage of students achieving a "B" average or above (44 percent vs. 26 percent). Generally, statistics related to scholastic performance of LBCC transfers generate a story of successful achievement. Students who initially qualify for UC on graduation from high school but defer enrollment and attend LBCC first are receiving good preparation for university work. Tables and graphs representing the statistical findings are included in the report. (AH)



LONG BEACH COMMUNITY COLLEGE DISTRICT LONG BEACH CITY COLLEGE

SCHOLASTIC ACHIEVEMENT OF FORMER L.B.C.C. : TUDENTS ENTERING THE UNIVERSITY OF CALIFORNIA DURING THE ACADEMIC YEAR 1972-73

> George L. Becker Institutional Research Office June, 1974



Scholastic Achievement of Former L.B.C.C. Students Entering the University of California During the Academic Year 1972-73

Background. Annually the University of California Office of Relations With Schools sends to the college a report of scholastic performance of new LECC transfers attending the University. The report consists of a comput-x printed summary of grades for former students at each branch campus enrolling one or more LECC transfers, and some comparative information regarding transfers from all California Community Colleges. It is the intent of this study, to analyze the individual grade reports furnished by the University in an attempt to evaluate the scholastic performance of former LECC students entering one of eight campuses of the University of California during the 1972-73 school year.

Content and format of the University's report was drastically changed with the inauguration of the "quarter system" in 1966, and a move toward computerized reporting techniques. In the process of developing these techniques, individual campuses of the University devised slightly differing methods of reporting statistical grade information. Some campuses report grade information for fall quarter entrants only; others include transfers entering throughout the year. Variations in grading practices within the university system also complicate any attempt to analyze the performance of former students at the University. The Santa Cruz Campus, for example, evaluates scholastic achievement on a pass/fail basis only. At Berkeley, the level of achievement is more precisely defined with the use of + and - grades, which also enter into

the grade point average calculations. In spite of these discrepencies, the university report presents scholastic information which provides a reasonable insight into the performance of former LECC students at the University of California.

Procedure. Names of one-hundred and thirty-two (132) transfers to the University of California were included in the 1972-73 progress report to the College. A subsequent search of the LECC Admissions Office files yielded student folders for almost all of the transfers reported. Only four names were not matched with a corresponding LBCC folder. Having ascertained that each transferee was indeed a former LECC student, by the existence of a student folder, the research office staff recorded academic achievement information from each folder for comparison with the student's achievement at the University. Using the student's declared major at the University as a guide, or in the absence of this information the prevalent department noted in the student's course listing, grades earned in related course work at LBCC were recorded for comparison with grades earned in major course work completed at the University. If a former student, for example, was listed as an engineering major at the University, all grades earned in mathematics, physical sciences, and engineering courses at LBCC were recorded for comparison with those grades earned at the University in similar course work. Information recorded from the folders, and the statistical data from the University's report have been tabulated and summarized in a series of tables and figures for this report.



Table 1 presents scholastic performance data on 1972-73 LBCC transfers to the University of California by Campus. Figures shown are the number and percent of entrants, the cumulative grade point average earned at LBCC, the grade point average at the University (all courses taken during the three quarters: Fall 1972, Winter 1973, Spring 1973), the differential between grade point average at UC and LBCC, cumulative units earned, percentage earning below a "C" average, and the percentage earning a "B" average or above. These data are grouped according to the transferees eligibility to enter the University on graduation from high school: those eligible for the University at the time of high school graduation, those ineligible at that time, and for both groups combined.

Table 2 depicts the academic achievement of Long Beach City College transfers to the University during 1972-73 in comparison to students from California Community Colleges in general.

Table 3 summarizes information similar to that shown in Table 1 over a nine year period. As a word of caution, it should be noted at this point, prior to 1966-67 UC grade point averages were based on first semester performance only. Since 1966, UC grade point averages have been based on all courses taken during any of the three quarters.

Figures 1-3 graphically illustrate some of the data summarized in Table 3.

Table 4 presents a detailed tabulation of grades earned by LECC transfers to the University by instructional area. The figures are tabulated according to UC departmental course identifiers, but displayed in an



LECC divisional organization. Table 5 indicates by rank order, the grade point averages earned in instructional areas enrolling a minimum of 30 LECC transfers.

Tatle 6 shows the relationship between grades earned at LECC and the University in courses defined within the major study area. Since the number within each major is frequently small, the validity of the data at this level is questionable. As a group, however, or at the LECC division level where some larger groupings are found, the figures achieve some degree of respectability.

Findings. As reported by the University of California, the number of LECC transfers to the University was 132 for the academic year 1972-73. Of this number, 71, or 54 percent, were eligible to enter the University at graduation from high school, although they did not choose to do so; 26 (20%) were not eligible to enter the University at graduation. The remaining 35 (26%) were probably ineligible also, as they were admitted to the University in 1972-73 by "special action" of the admissions office. Only those transfers charged to Long Beach City College (this excludes those admitted on "special action") enter into the statistical calculations reported by the University. The general observations concerning LECC transfers to the University of California that follow are based upon the statistical data reported by the University, and summarized by the college research office in a series of tables and figures appended to this report.



- . Six of every ten LBCC transfers to the University last year, or 61 percent, enrolled at a branch campus within easy commuting distance to Long Beach, either UCLA or UC Irvine. (Table 1)
- On the average, LBCC transfers entered the University with a grade point average slightly above a "B" (3.17) in 80.3 quarter units of transferable credit (53 semester units), and during the academic year earned nearly a "B" averago (2.93) in 36.4 quarter units. (Table 1)
- Among the transfers to UC who were charged to LBCC, four of every ten (44%) earned a "B" average or higher; approximately one in ten (8%) earned a grade average below a "C". (Table 1)
- An analysis of scholastic performance by UC campus suggests that former LECC students encountered the greatest difficulty (gradewise) at UC Santa Barbara. Only 18 percent of the transfers earned a "B" grade or higher as compared to 44 percent for all LECC transfers university-wide. (Table 1)
- On a percentage basis more LBCC transfers attending Berkeley experienced difficulty earning at least a "C" grade. On the other hand, however, one of every two LBCC transfers to UC Berkeley earned a "B" grade or above. (Table 1)
- As a group, the achievement of LBCC transfers to all branches of the University compares favorably with the achievement of all community college transfers at UC: Percent "B" average or above--44% vs. 39%, Percent below "C" --8% vs. 10%, and University GPA--2.93 vs. 2.79, respectively. (Table 2, Figure 3)
- A comparison of LECC transfers and all community college transfers, who were eligible to enter the University at high school graduation, but did not enter until 1972-73, indicates that LB ? eligible transfers achieved at a significantly higher academic level than their all-community-college counterpart: Percent "B" average or above--53% vs. 43%, Percent below "C" --6% vs. 8%, University GPA--3.05 vs. 2.85, respectively. On the other hand, however, the reverse was true for LECC ineligible transfers. (Table 2)
- A review of the scholastic performance of LBCC transfers to the University over the past several years suggests that LBCC transfers: have steadily raised the GPA earned at LBCC prior to university enrollment (3.17 vs. 2.85), have gradually increased the GPA earned at the University (2.93 vs. 2.46), have increased the percentage of students achieving a "B" average or above (44% vs. 26%), and have decreased the percentage of transfers earning below "C" (19% vs. 6%). (Table 3, Figures 1, 2)
- . Since 1967-68, the differential between the grade point average earned by LECC transfers at the University and the grade point average that they earned at LECC has remained fairly stable and within the narrow range of -0.13 and -0.26. (Table 3, Figure 3)



- An analysis of grades earned by LBCC transfers to the University, distributed by instructional area, revealed that 1,357 grades were earned by 128 transfers. (Santa Cruz students were not included). Of the 1,357 grades 62 percent were either "A" or "B", only 4 percent were "F", and 4 percent were "D". (Table 4)
- . Highest subject-area grade point averages (30 or more grades issued) were earned by LBCC transfers in Fine Arts subjects-Music (3.34), and Art (3.29) topped the list. Lowest subject-area GrA was a respectable 2.49 i: mathematics. (Table 5)
- An analysis of the scholastic per mance of LECC transfers to the University, when organized by student major, yields little additional data. Grade point averages are practically identical for the respective cumulative GPA. Although the number of students within each major is too small to yield conclusive evidence, it may be of some interest to note the wide range in GPA differential among major study areas—(+0.10 to -0.87). (Table 6)

Comments and Observations. Statistical data related to scholastic performance of Long Beach City College transfers to the University of California in 1972-73 generate a story of successful achievement. On the basis of grades earned, LECC transfers to the University, as a group, compare favorably with California Community College UC-transfers in general. Students who choose to defer enrollment in the University to a later date, and pursue their academic goals at LECC first, may rest assured that they have made a sound decision. As transfer students before have demonstrated, they too will receive the training essential to success at the university level.

Research 6/74

Table 1. Scholastic Performance of Former LBCC Students Entering the University of California By Location, 1972-73.

	Севирыя	Transfers	Grade Point Average LECC UC Diff.	Ave. Units Completed LBCC UC	Percent Belov "C" UC	Percent "B" or Above IC
E. IOIE S	Berkoley Davis Irvine Los Angeles Riverside San Diego Santa Barbara Santa Crus Total	10 145 3 4 20 28 23 33 3 4 2 3 7 10 71 1005	3.29 3.08 -0.21 3.32 3.27 -0.05 3.17 3.11 -0.06 3.26 3.01 -0.25 3.49 3.16 -0.36 3.74 3.29 -0.45 3.10 2.72 -0.38 3.64 _n/a _n/a 3.25 3.05 -0.20	91.5 38.1 71.2 44.7 73.8 37.6 83.8 39.0 99.3 43.8 32.7 38.0 64.9 35.9 89.3 30.0 78.9 38.2	20% 0 0 0 0 0 0 0 0	70% 66 50 47 66 100 28 1/4 52%
TEG TO LEGE	Berkeley Davis Irvine Los Angoles Riverside San Piego Santa Barbara Sente Crus Total	- 4 15% 2 8 8 31 7 27 1 4 0 0 4 15 0 -	2.67 2.41 -0.26 2.97 2.35 -0.62 3.02 2.66 -0.36 3.29 2.94 -0.35 3.44 2.93 -0.51 2.61 2.21 -0.40 2.99 2.61 -0.38	85.1 34.8 88.9 38.5 80.4 26.4 92.7 34.0 40.5 43.0 83.9 37.1	255 0 25 0 0 - 25 	0 0 25% 57 0 0
ALL TRANSPORT	Berkeley Devis Irvine Los Angeles Riverside San Diego Senta Berbera Sente Grus Total	20 15\$ 6 5 35 27 45 34 6 5 2 1 15 11 1 2 132**100\$	3.12 2.90 -0.22 3.17 2.93 -0.23 3.12 2.97 -0.15 3.26 2.99 -0.27 3.48 3.11 -0.37 3.74 3.29 -0.45 3.10 2.72 -0.38	89.7 37.1 78.3 34.5 75.7 34.4 85.9 37.8 84.6 43.6 32.7 38.0 71.8 36.3 89.3 30.0 80.3 36.4	215 0 7 6 0 9	50% 40 42 50 50 100 18 5/4

Pourter lette

Table 2. Academic Achievements of Former LECC Students and all Community College Transfers Entering the University of California, 1972-73.*

	Long Bo	ach City Col	lego	NI G	All Community Colleges		
	misips.	Ineligible	Total	Migible	Ineligible	Total	
Number of entrants	68	26	94	2,644	2,355	4,999	
Percent of entrants	72≸	28%	200≸	53 8	47\$	100%	
Percent "B" average or above	53 \$	23 \$	44 %	43%	345	39 %	
Percent below "C" average	6 \$	15 \$	8 %	8%	125	10 \$	
Entering GPA	3.25	2.99	3.17	3.19	3.05	3.12	
University GPA	3.05	2.61	2.93	2.85	2.72	2.79	
GPA differential	20	38	24	34	33	33	

^{*}Does not include those students who withdraw from the University, those who received all "F" grades, those who were graded only on a pass/fail basis (Santa Crus campus), or those students admitted by special action of the admissions officer.



^{**} Includes those students admitted by "Special action", those students graded exclusively on a pass/fail baci students who withdraw from all their classes, as well as the "eligible" and "inaligible" students shown abound the "eligible" and "inaligible" students are included in the scholastic calculations, however.

Table 3. Summary of Scholastic tohievement Demonstrated by L.B.C.C. Transfers in Their First Year at the University of California, 1964-1972.

School Year	So. of Transfers	\$ Below	Above	iniv. GPA	lecc QPA	OPA Diff.	Percent Eligible
1964-65 1965-66 1966-67 1967-68 1968-69 1969-70 1970-71 1971-72 1972-73 1972-74 1974-75 1975-76 1976-77	49 49 43 37 68	195 2 165 12 4 6 13 10 5	335 27 28 46 47 28 46 47 27 28	2.55 x 2.57 2.66 2.75 2.86 2.82 2.92 3.05	2.92 x 3.06 2.97 2.96 3.01 3.07 3.26 3.25	-0.37 * -0.49 -0.31 -0.21 -0.15 -0.25 -0.34 -0.20	56\$ x 67\$ 55 60 51 43 35 52

School Year	No. of Transfers	* Below	\$ "B" or Above	Univ. CPA	LECC GPA	GPA Diff.	
1964-65	30	20\$	138	2.34	2.74	-0.40	
1965-66	×	×		x	*	*	
1966-67	16	45	25	2.36	2.72	-0.36	
1967-68	25	3	Ä	2.57	2.69	-0.12	
1968-69	22	5	8	2.53	2.65	-0.32	
1969~70	28	Ā	Š	2.59	2.85	-0.26	
1970-71	28	3	7	2.76	2.91	-0.15	
7.97172	53	ī	23	2.81	3.00	-0.19	
1972-73	53 26	I	6	2,61	2.99	-0.36	
1973-74		-			,		
1974-75							
1975-76							
1977-78							

School Year	*No. of Transfers	\$ Below	Above Above	Univ. GPA	LPCC GPA	opa Diff.	
1964-65	77	19%	265	2.46	2.85	-0.39	
1965-66	*	×	X	*	×	X	
1966-67	83	18%	20%	2.53	2,98	-0.45	
1967-68	98	12	24	2.63	2.89	-0.26	
1968-69	102	9	33	2,59	2.93	-0.24	
1969-70	96	ģ	40	2.77	2.95	-0.18	
1970-71	100	12	35	2.79	3.01	-0.21	
1971-72	105	8	48	2.85	3.10	-0.25	
197?-73	132	ŝ	ü	2.93	3.17	-0.24	
1973-74		-	~~*				
.974-75							
1975-76							
1976-77							
1977-78							

m Data not available.

* Includes those students admitted by "special action", those students graded exclusively on a pass/fail basis, and students who withdrew from all their classes even though students in these categories are excluded from the calculations.

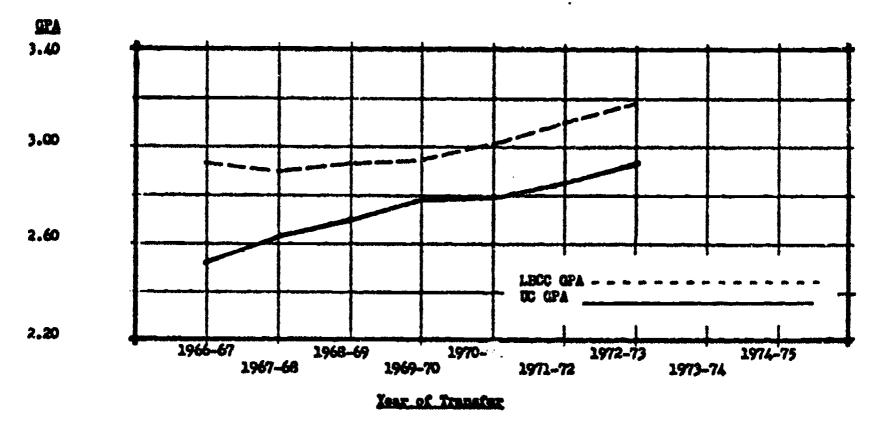


Figure 1. Comparative Grade Point Averages of LECC Transfers to the University of California: All Transfers.

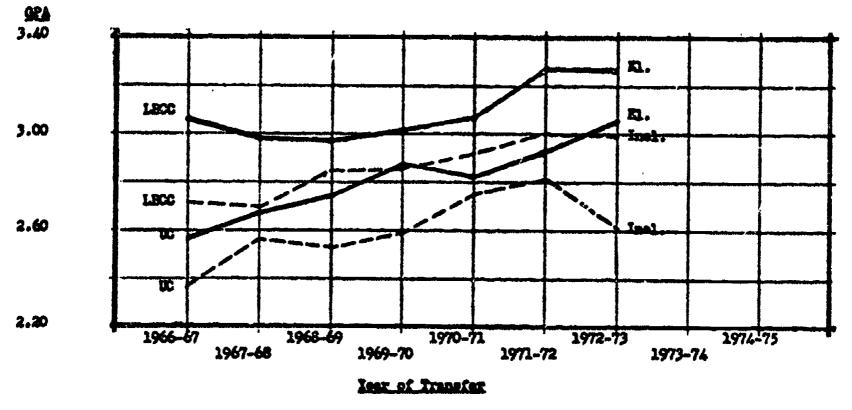


Figure 2. Comparative Grade Point Averages of LECC Transfers to the University of California: Eligibles and Ineligibles.

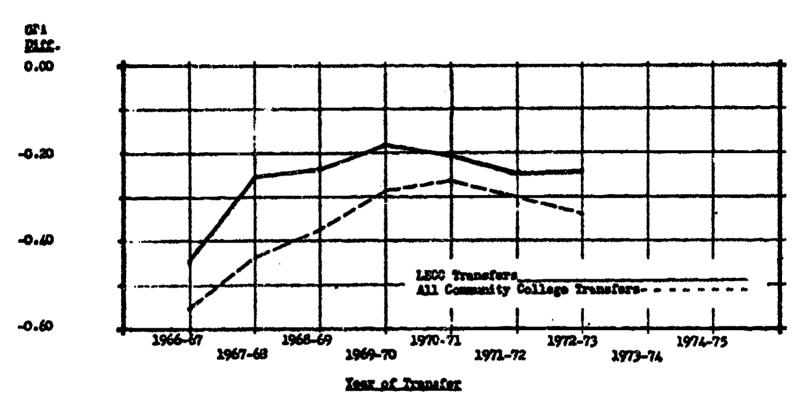


Figure 1. Comparative Differential Bothesm Entering Grade Point Average and First Year University Grade Point Average, All Transfers: LECC Transfers vs. All California Community Calliego Transfers.

Table A. Oradoo Marmed at the Milwaretty of California by LARC Transfers Daring 1972-73 Academie Year.*

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Besterialogy Resironmental Seignes								***	3.0
Meriponnatal Seignes	43	20	29 2	5	1	23/0	5	199	2.8
	1 2 7	5 3 8	3	1		2/0	-	9 12 10 16	2.5
	7	2		 -		*****		20	3.7
Sociogy	7	*	4					مد	3.2
egiasering:	10	4	2.2	\$		1/0		32	2.7
rthematico:	23	43	35	15	8	2/7	2	1.22	2.4
hates Seignees			_						2,0
Astronomy	•	16	n	5	3	260		2 00	2.8
Chardstry Goology	24. 3	**	7	7	•	26		99 5 61	3.0
Physics	21	15 1 18	12	3	5	202		61	2.8
Leeslancous:			•						2.0
Architecture		•	1					7 5 1	3.8
Medicine Military Science	· 4	1						í	3.0
Mac Miking		•	λ					7	2.0
Totals	370 (27%)	411	274	55	37	97/3	34 (3%)	2357	2.9

^{*}Figures represent enrollments of all LECC Transfers, anniuding the Santa Gras Compus.

Table 5. Grade Point Averages Earned by LECC Transfers at the University of California, by Subject Field, 1972-73 (30 or more grades per subject).

bject Area	Mo. Grades	QPA
Mosic	37	3,34
Art	45	3.29
Socialogy	77	3.11
Philosophy	40	3.06
Hology	1.59	3.01
Paychology	95	2.96
Chamistry	99	2.87
English	. 126	2.64
Moonewice	3 7	2.81
History	105	2.80
Physics	ડા	2.80
Political Science	33	2.78
Ingineering	32	2.74
Theatre Arts	57	2.70
Mathematics	122	2.49

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Table 6. Comparative GPA by Major for LBCC Transfers to The University of California in 1972-73: U.C. GPA vs. LBCC GPA.

Major	No.	Major Sul	plect GPA
	Students*	VC .	LBCC
Business:			
Business Administration	1	3.00	3.08
Computer Science	_6_	3.10	3.07
Division Ave.	(7)	3.08	3.07
Creativo Arts:			
Art	3	3.10	3.53
Theatre Arts	_5_	2.75	3.35
Division Ave.	(8)	2.88	3.42
History and Social Science:	,		
Anthropology	1	3.00	3.04
Economics	<u>5</u>	3.01	3.36
Geography	5 2	2.58	3.45
History		2.95	3.18
Philosophy	13 1 3 9	3.56	3.50
Political Science	3	2.73	2.93
Psychology	9	2.81	3.49
Sociology	Ŕ	2.92	3.00
Pro-Law	•	3.00	
Division Ays.	(43)	2.90	3.25 3.24
enguage Arta:			
English	11	2.87	2 22
Poreign Language (Spanish)	7	2.61	3.22
Division Ave.	11 12 12	2.85	2.71 3.18
Wath and Science:			·
Life Science:			
Biology	377	2 01	A C N
Bacteriology	A1	3.04	2.93
Exvironmental Science	17 2 (<u>3</u>	2.87	2.89
Life Science Ave.	(20)	<u>2.87</u>	3.05
write perfedus was.	(22)	3.00	2.94
Engineering:	3	2.42	3.04
Mathematics:		2.70	3.54
Physical Science:			<i></i>
Chemistry	2	2.25	3.12
Physics	2 1	2.50	2.75
Physical Science	7	2.58	3.08
Physical Science Ave.	(40)	2.40	3.02
Division Ave.	(40)	2.84	3.08
iscollaneous:			
Optometry	1	3.57	3.24
Physical Education	-	3.67	3.39
Public Health	<u> </u>	3.20	4.00
Undeclared	1 2 1 2	3.47	4.00
Total	113	2.92	3.20

Excluding students at Santa Cruz, and students who withdrew or received grades of incomplete.

